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	Filing Date		1998-12-14		
	First Named Inventor	st Named Inventor Boyle, William J.			
	Art Unit		1644		
	Examiner Name	Szper	rka, Michael E.		
	Attorney Docket Numb	er	A-451M IDS#2-101408		

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	3	9807840	wo		A1	1998-02-26	Nakagawa et al.				

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	1	O'Brien, E. A. et al., "Osteoprotegerin ligand regulates osteoclast adherence to the bone surface in mouse calvaria", Biochem. Biophys. Res. Commun., 274: 281-290 (2000)	
	2	Oyajobi et al., "Therapeutic efficacy of a soluble receptor activator of nuclear factor kappa-B-igG Fc fusion protein in suppressing bone resorption and hypercalcemia in a model of humoral hyperclacemia of malignancy", Cancer Res., 61: 2572-2578 (March 15, 2001)	
	3	Peterson et al., "AMG162, A fully human monoclonal antibody against receptor activator of NF-Kappa B ligand (RANKL), rapidly and profoundly suppresses bone resorption in cynomolgus monkey", Internatl. Bone and Mineral Society-Japan Bone and Mineral Society, 2003, Poster Session 2 "Osteoclasts", Osaka, Japan (June 6, 2003)	
	4	Reddi, A. H., "Bone morphogenesis and modeling: soluble signals sculpt osteosomes in the solid state", Cell, 89: 151-161 (1997)	
	5	Reiger et al., Glossary of Genetics and Cytogenetics, p. 17, Springer-Verlag Berlin Heidlberg, New York (1976)	
	6	Suda, T. et al., "Modulation of osteoclast differentiation and function by the new members of the tumor necrosis factor receptor and ligand families", Endocr. Rev., 20: 345-357 (1999)	
	7	Takada et al., "A simple method to assess osteoclast-mediated bone resorption using unfractionated bone cells", Bone and Mineral, 17: 347-359 (1992)	
	8	Takeyama, S. et al., "Low calcium environment effects osteoprotegerin ligand/osteoclast differentiation factor", Biochim. Biophys. Res. Commun., 276: 524-529 (2000)	
	9	Teng, Y. A. et al., "Functional human T-cell immunity and osteoprotegerin ligand control alveolar bone destruction in periodontal infection", J. Clin. Invest., 106: 749-752 (2000)	
	10	Tsuda et al., "Isolation of a novel cutokine from human fibroblasts that specifically inhibits osteoclastogenesis", Biochemical and Biophysical Research Communications, 234(1): 137-142 (1997)	

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	11	Udagawa, N. et al., "Osteoblasts/stromal cells stimulate osteoclast activation through expression of osteoclast differentiation factor/RANKL but no macrophage colony-stimulating factors", Bone, 25: 517-523 (1999)					
	12		nabe et al., "Interlukin-4 as a potent inhibitor of bone resorption", Biochemical and Biophysical Research munications, 172(3): 1035-141 (1990)]			
	13		rd, D. et al., "Expression, purification, and characterization of the human receptor activator of NF-kappaB ligand IKL) extracellular domain", Protein Expr. Purif., 20: 48-57 (2000)]			
	14	Wong et al., J. Biol. Chem. "The TRAF Family of Signal Transducers Mediates NF-κB Activation by the TRANCE Receptor", 273(43): 28355-28359 (1998)					
	15	Yoneda et al., "Suramin suppresses hypercalcemia and osteoclastic bone resorption in nude mice bearing a human squamous cancer", Cancer Research, 55: 1989-1993 (1995)					
	16	Zhang et al., "Tumor necrosis factor-alpha (TNF) stimulates RANKL-induced osteoclastogenesis via coupling of TNF type 1 receptor and RANK signaling pathways", J. Biol. Chem., 276(1): 563-568 (January 5, 2001)					
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